

We Claim:

1. A method of treating a condition in a mammal, comprising administering to said mammal a pharmaceutically effective amount of 20kDa hGH-V or a polypeptide that is substantially identical to 20kDa hGH-V.
2. The method of claim 1, wherein said condition is adult-onset growth hormone deficiency.
3. The method of claim 1, wherein said condition is childhood-onset growth hormone deficiency.
4. The method of claim 1, wherein said condition is cystic fibrosis.
5. The method of claim 1, wherein said condition is osteoporosis.
6. The method of claim 1, wherein said condition is skeletal dysplasia.
7. The method of claim 1, wherein said condition is chronic kidney failure.
8. The method of claim 1, wherein said condition is depression.
9. The method of claim 1, wherein said condition is memory loss.
10. The method of claim 1, wherein said condition is a catabolic state.
11. The method of claim 1, wherein said condition is anorexia.
12. The method of claim 1, wherein said condition is hypertension.
13. A pharmaceutical composition comprising a 20kDa hGH-V and a pharmaceutically acceptable excipient.

14. A pharmaceutical composition comprising a 20kDa hGH-V, a pharmaceutically acceptable excipient and a binder.
15. A pharmaceutical composition comprising a 20kDa hGH-V, a pharmaceutically acceptable excipient and a capsule.
16. A method for treating a patient in need of growth hormone therapy, comprising administering to said patient a 20kDa hGH-V.
17. The method of claim 16, wherein step of administering includes administering an expression vector capable of producing 20kDa hGH-V.
18. The method of claim 17, wherein said expression vector is in a host cell.
19. The method of claim 17, wherein said expression vector is in a cell of the patient.
20. A method for reducing lactogenic effects associated with growth hormone therapy, comprising administering to a mammal in need of growth hormone therapy, a composition comprising 20kDa hGH-V.
21. The method of claim 20, wherein said step of administering includes administering to said mammal, a cell having a replicable vector therein capable of producing 20kDa hGH-V.